



The green benchmark

GreenFibre from Klasmann-Deilmann



we make it grow

GreenFibre – the definition of high-grade wood fibre

We can look back on more than 20 years of success in using wood fibre as a constituent for our growing media. During this time we have been working intensively to develop the production technology required and to optimise the related processes in order to start the production of our own wood fibre. In 2010 we were able to commission our first GreenFibre production plant in Germany, followed by production sites in the Netherlands and Ireland.

The production of GreenFibre includes the thermal and mechanical defibration of softwood chips. This process generates temperatures that can exceed 100 °C, with

the result that any incompatible substances are expelled as gases, thereby making the GreenFibre a sanitized and safe constituent. The structure and physical properties of GreenFibre can be adjusted very precisely. The result is a constituent of consistently high quality based on renewable resources. The special nature of the production process means that GreenFibre has a very low content of fine particles. This reduces any compaction of the substrate and prevents a reduction in the air capacity of the substrate during cultivation. The coarse particles of GreenFibre are better defibrated which ensures better drainage and a uniform distribution in the substrate.

GreenFibre from Klasmann-Deilmann

GreenFibre from Klasmann-Deilmann is a very high-quality, thermally and mechanically processed wood fibre that can structurally be fine-tuned to a wide range of individual applications. Used in combination with high-quality peat raw materials, GreenFibre has proven its worth as the ideal constituent for structurally stable growing media.

Essential advantages of GreenFibre



✓ GreenFibre is PEFC/FSC certified

GreenFibre production has been certified to PEFC respectively FSC standards. This wood fibre therefore meets the prescribed sustainability criteria. In addition to the unique quality of the end product itself, we also ensure that the wood chips used in the production process are sustainable materials obtained from PEFC and FSC certified sources. We are therefore contributing to sustainable forest management.

✓ GreenFibre is RHP certified

GreenFibre bears the RHP quality label, denoting its long-term suitability as a substrate constituent for the commercial horticulture. Also our GreenFibre production facilities are certified to the strict RHP standards, a guarantee of consistently high quality.



GreenFibre fine

- Developed specifically for blocking substrates
- Supports press pot stability



GreenFibre medium

- Optimal for bedding and potting substrates
- Very good capillary and drainage capabilities



GreenFibre coarse

- Ideal for coarse container substrates
- Long-term structural stability

BLOCKING SUBSTRATES WITH GREENFIBRE

- Optimal recipes for very stable press pots
- Suitable for all blocking lines



Substrate	Potgrond H 85 + GreenFibre	Potgrond H 50 + GreenFibre
Recipe-No.	078	847
Composition	GreenFibre (fine) Frozen through black peat	GreenFibre (fine) White peat „Blocking“ Frozen through black peat
Clay		
pH-value (H ₂ O)	6.0	6.0
Fertilisation (g/l)	1.5	1.5
Extra trace elements		
Wetting agent	Hydro S	Hydro S
Structure	fine	fine
Use for	Vegetable young plants	Vegetable young plants

SUBSTRATES FOR BEDDING AND PATIO PLANTS WITH GREENFIBRE

- Very good drainage combined with high water retention
- Ideal structure for automated tray filling lines and cultivation in



Substrate	BP Substrate 2 medium + GreenFibre	TS 3 medium basic with clay + GreenFibre
Recipe-No.	668	441
Composition	<div>GreenFibre (medium)</div> <div>White peat (0 – 25 mm)</div> <div>Frozen through black peat</div>	<div>GreenFibre (medium)</div> <div>White peat, moderately decomposed (0 – 25 mm)</div>
Clay		✓ Clay granules
pH-value (H ₂ O)	6.0	6.0
Fertilisation (g/l)	1.2	1.0
Extra trace elements		✓
Wetting agent	Hydro S	Hydro S
Structure	medium	medium
Use for	Geranium, bedding and patio plants	Bedding and patio plants, primrose, viola

i The products shown in this leaflet are an exemplary choice. More products with GreenFibre for any application and for specific requirements are available on request.

SUBSTRATES FOR POT PLANTS WITH GREENFIBRE

- Very good drainage and structural stability
- Optimal root development



Substrate	Substrate 5 with clay + GreenFibre	TS 4 PLUS medium with clay + GreenFibre
Recipe-No.	666	816
Composition	<div>White sod peat (10 – 25 mm)</div> <div>Frozen through black peat</div> <div>Peat fibres</div> <div>GreenFibre (medium)</div> <div>White peat (0 – 25 mm)</div>	<div>GreenFibre (medium)</div> <div>White sod peat (10 – 25 mm)</div> <div>White peat, moderately decomposed (0 – 25 mm)</div>
Clay	✓ clay granules	✓ clay granules
pH-value (H ₂ O)	6.0	6.0
Fertilisation (g/l)	1.0	1.0
Extra trace elements	✓	✓
Wetting agent	Hydro S	Hydro S
Structure	medium	medium
Use for	Cyclamen, geranium, perennials, bedding plants	Ornamental plants, foliage plants

SUBSTRATES FOR NURSERY STOCK WITH GREENFIBRE

- Very good drainage and structurally stable in the long term
- Also available with controlled release fertiliser



Substrate	Container Substrate 2 coarse + GreenFibre	TS 4 PLUS coarse + GreenFibre
Recipe-No.	272	620
Composition	<div>Frozen through black peat</div> <div>White sod peat (25 – 45 mm)</div> <div>GreenFibre (coarse)</div> <div>Peat fibres</div>	<div>White sod peat (10 – 25 mm)</div> <div>White sod peat (25 – 45 mm)</div> <div>GreenFibre (medium)</div> <div>White peat, moderately decomposed (0 – 25 mm)</div>
Clay		
pH-value (H ₂ O)	5.7	6.0
Fertilisation (g/l)	none	1.0
Extra trace elements	✓	✓
Wetting agent		Hydro S
Structure	coarse-fibrous	coarse
Use for	Trees, conifers	Shrubs and trees, ornamental plants, foliage plants

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